

# Pollution Prevention Afloat

## Technology Description

- Commercial or non-developmental equipment, processes, & materials that can be used on ships to significantly reduce use of hazardous materials (HMs) & offloads of used/excess HMs
  - Paints, solvents/degreasers, cleaning agents, adhesives, sealants, lubricants, hydraulic fluids, rust/corrosion inhibitors, acids, alkalis, ethylene glycol, etc.



*USS JOHN HANCOCK (DD-981) is one of eight ships on which P<sup>2</sup>A candidates are being evaluated*

## Benefits

- ☆ Comply with wide range of laws, regulations, Executive Orders, & Navy policies establishing HM reduction & pollution-prevention goals & requirements
- ☆ Substantially reduce types & quantities of thousands of currently used HMs
  - Reduce health & safety risks
  - Reduce manpower
  - Reduce cost of shoreside disposal of hazardous waste originating from ships & submarines (\$17M in FY95)
  - Reduce HM procurement costs
  - Reduce environmental hazards

## RDT&E Status

- Evaluated >50 pollution-prevention candidates, including
  - Oily rag recycling system
  - Small aqueous parts washer
  - Mercury ion-exchange cartridge
  - Maintenance-free batteries
  - Paint dispensing system
  - High-volume low-pressure paint guns
  - Paint brush holder
- Technology opportunities for existing & future ships